

PROJECT DESCRIPTION
GENERAL

THIS PHASE OF MOT INVOLVES THE INSTALLATION OF A TEMPORARY SPAN WIRE TRAFFIC SIGNAL WIRED TO THE EXISTING CONTROLLER AT THE INTERSECTION OF MD 115 (MUNCASTER MILL ROAD) IN MONTGOMERY COUNTY.

INTERSECTION OPERATION

THE EXISTING SYSTEM CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 4 NEMA PHASES. VIDEO DETECTION SHALL BE PLACED INTO OPERATION.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7318
MR. DENNIS MCMAHON, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. BOBBY GONZALES, TRAFFIC ENGINEER - MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER
PHONE: (240) 777-8761

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

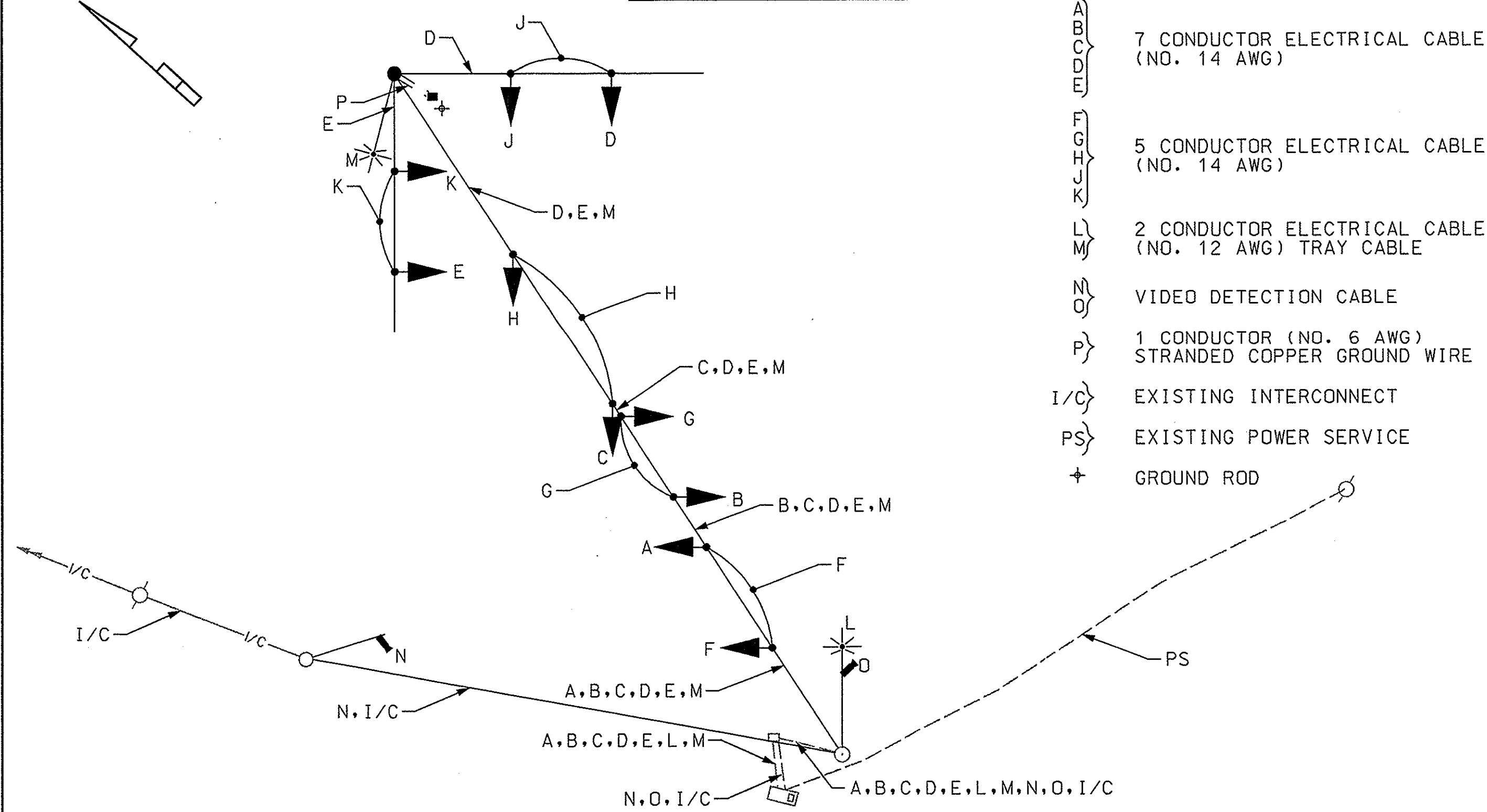
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
973023	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: R10-12 (30"x36") MAST ARM MOUNT D-3(1) (VAR.x16") MAST ARM MOUNT M95-1 (96"x24") MAST ARM MOUNT	SF EA EA EA	75 2 3 1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

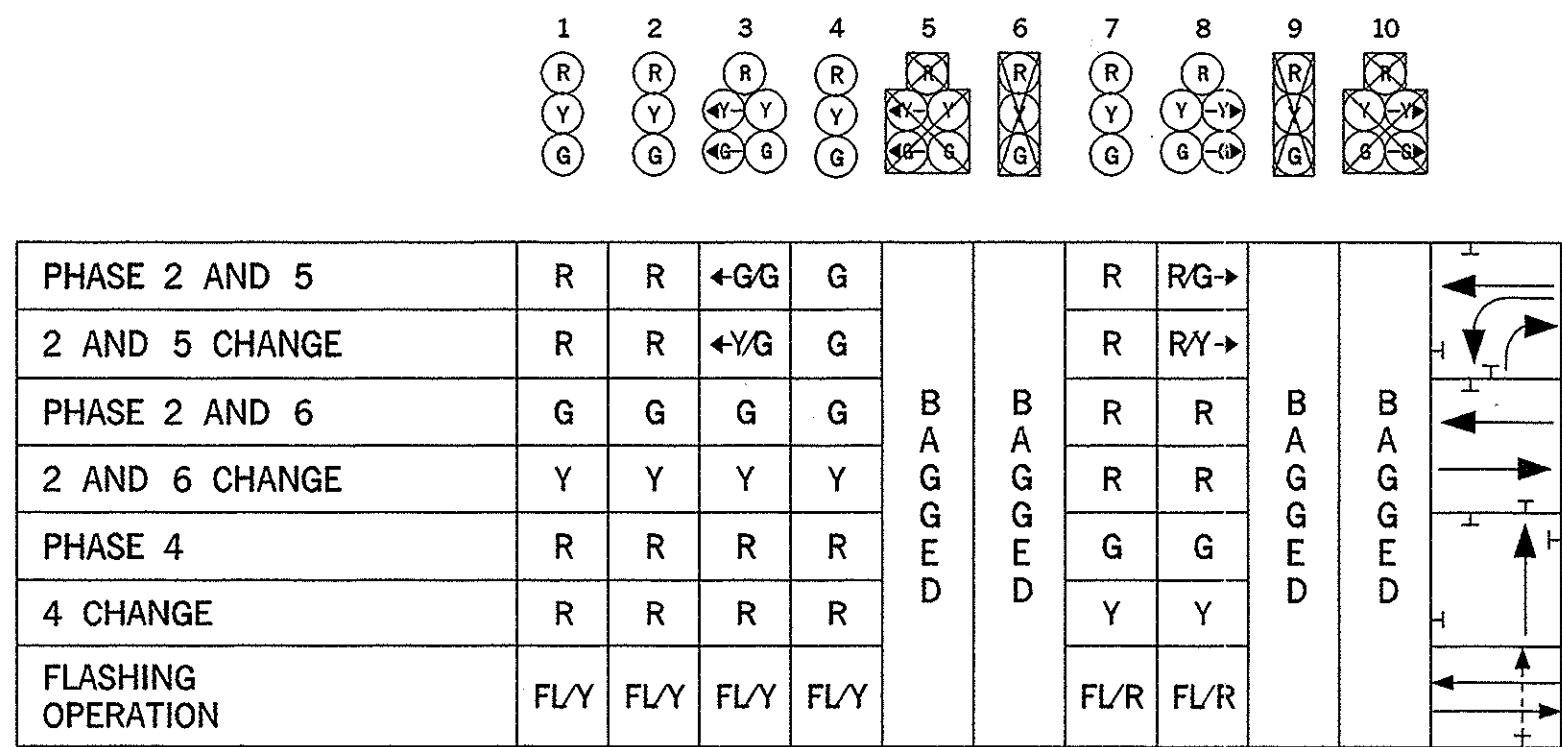
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	1
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
800000	FURNISH AND INSTALL BACKGUY AND ASSEMBLY	EA	4
801004	CONCRETE FOR SIGNAL FOUNDATIONS	CY	5
801607	INSTALL SHEET ALUMINUM SIGN	SF	75
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	15
805135	3 INCH SCHED. 80 PVC CONDUIT-TRENCHED	LF	11
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	1
816001	VIDEO DETECTION CAMERA	EA	2
816005	CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	2
816015	* VIDEO INTERFACE EQUIPMENT	EA	1
818050	STEEL POLE WITH A TWIN 50 FOOT AND 60 FOOT MAST ARM	EA	1
831010	250 WATT HPS LAMP AND LUMINAIRE	EA	2
837001	GROUND ROD - 3/4 INCH DIA. X 10 FOOT LENGTH	EA	1
860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	38
860292	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE	EA	1
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	205
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	825
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	LF	310
866103	15 FT LIGHTING ARM ON SIGNAL STRUCTURE	EA	1
866104	20 FT LIGHTING ARM ON SIGNAL STRUCTURE	EA	2
869101	STEEL SPAN WIRE - 1/4 INCH DIAMETER	EA	190
869102	STEEL SPAN WIRE - 3/8 INCH DIAMETER	LF	325

* ALL INSTALLATION AND WIRING SHALL BE PERFORMED BY MCDPW&T SIGNAL SHOP.

WIRING DIAGRAM



PHASE CHART



PHASE 1



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN

MD 115 (MUNCASTER MILL ROAD)
AT AVERY ROAD



SABRA, WANG & ASSOCIATES, INC.
1604 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 787-8584
WWW.SABRA-WANG.COM

DRAWN BY: C.FLEMING
CHECKED BY: S.RENZI/J.WEAVER
SCALE: NOT TO SCALE
DATE: MARCH, 2003

F.A.P. NO.
S.H.A. NO.
COUNTY:
LOG MILE:

MO910B21
MONTGOMERY
1501503.68

TS NO.
TS-4223
T.I.M.S. NO.
F-489

SHEET NO.
38 OF 51